

# SLOT.IT 2019 “DTM” NORTH AMERICA CHAMPIONSHIP RULES

## NOTES:

08/18/19 – Official Release

09/24/19 – Motor spacer and Guide Wiring Updates

11/10/19 – Gear and Parts Updates & Added new Models

11/26/19 – Motor update & Removal of Mercedes approval

## DATE/TIME:

Championship Event: 12/07/19

Warm-Up Events: Click on the "Recent/Current Sanctioned Remote Events" menu option on top of this page.

Any shops, clubs or slot car organizations interested in holding a warm-up event contact Robert Holt by phone (908-397-7886) or e-mail (holtr371@yahoo.com)

## ELIGIBLE DRIVERS:

All participants are welcome and must confirm interest in participating by contacting Robert Holt by phone (908-397-7886) or e-mail ([holtr371@yahoo.com](mailto:holtr371@yahoo.com)) no later than one (1) week before the championship event. All drivers that plan on attending the “Championship Event” should take note that the following rules will be utilized and enforced. Modifications to these rules for “Warm-up Events” such as the use of different tires or other specific parts or rules are permitted with advanced notification given by the race director for the event.

## ELIGIBLE CARS:

Only the Slot.it DTM Alfa Romeo 155 V6TI, Mercedes 190E (Notice: due to the lack of availability in the US market, the Mercedes 190E will NOT be permitted.) and Opel Calibra V6 cars as raced from 1992 thru 1996 in the DTM/ITC Championship series in Europe are permitted. See the attached cars/parts list for the approved car releases, kits, and parts. Kits must be complete with all parts that are supplied with the kit, excepting those changes permitted below. As they are introduced, newly released cars will be reviewed and added to the approved list if eligible. See pictures below for eligible car examples:



Alfa Romeo 155 V6TI



Opel Calibra V6



Mercedes 190E

**GENERAL:**

Any modifications or parts not specifically addressed in the series rules or are not listed in the approved cars/parts list are not legal and will not be permitted. If the rules stated on this page do not indicate a part or tuning method IS allowed, it is NOT allowed. Any modifications that are made and/or tuning techniques used are made at the racer's own risk. Any variations to these rules must be approved in advance by GTSLOTS. All rules are subject to change.

**THE BODY:**

Bodies may not be modified, lightened, have parts removed, or cut in any way - including wheel wells, body posts, interiors, etc. EXCEPTIONS: Sharp edges, burrs, and mold flashing may be trimmed and/or sanded to permit clearance for the proper seating of the body onto the chassis and to allow for body float. No more than .010" of material should be removed where applicable. If a standard credit card can be passed in the gap between the body and chassis, the sanding has exceeded tolerance and the car may fail inspection. All cars including kits must start each race with any and all front and/or rear spoilers/wings, headlights and/or headlight covers, air scoops, exhaust details, miscellaneous body details, and wheel inserts in place as provided with the car. Antennas, mirrors and small aerodynamic front trim tabs (winglets) may be missing, but should be replaced when possible. Bodies and interiors may be custom painted, but all cars must have proper numbers and markings as is prototypical and look like race cars of the era represented. All cars must use the complete and unmodified interior w/driver figure as supplied with the car and may be minimally trimmed for fit and function. (Note: due to availability, NO lexan interiors or windscreens.) All windows must remain transparent as is prototypical. Bodies must be attached by any and all screws locations provided by the factory using any manufactures screws and shims are permitted to adjust chassis/body/spur gear/tire tweak and clearance. If body screws are run loose, tape should be placed over the screw holes on the bottom of the chassis where possible. (Note: split and cracked body posts may be repaired by reinforcement through the use of styrene, aluminum, brass or similar tubing and the use of glue over the damaged post as long as the post's original height is not altered.)

**CHASSIS/PODS:**

Only the Slot.it stock chassis, stock in-line .05mm offset motor pods (CH110), and/or their direct .05 mm offset replacements may be used and may not be modified in any manner. NO TRACTION MAGNETS. Motor pod must be attached by any and all screws locations provided by the factory, any manufacturer's screws may be used, adjusted for float, and shims are permitted to adjust chassis/pod tweak. Sanding of the edges and interference points of the motor pod and the chassis for fit and float is legal. No more than .010" of material should be removed where applicable. If a standard credit card can be passed in the gap between the chassis and pod, the sanding has exceeded tolerance and the car may fail inspection. Mold flashing and the plastic injection/molding ejection/overflow expansion points may be removed (Note: this does not include wire pathway posts). Front axle ride height adjusting set screws utilizing any manufacture's 2.0mm hexagonal (set) screws (upper and lower) and/or the plastic ride height spacers may be used and adjusted as required. NO other modifications to axle mounts front or rear are permitted. Suspension is not permitted.

**AXLES\BUSHINGS\WHEELS\TIRES:**

Only Slot.it 3/32" axles and spherical brass bushings for the motor pod are permitted. Bushings may be glued in place. Slot.it front axle plastic or spherical brass bushings are optional. Any manufacture's axle shims and spacers are permitted. Only the Slot.it 15.8 by 8.2mm plastic, aluminum, or magnesium wheels are permitted on the front of the car. Stock plastic wheels may be lightly sanded for the purposes of truing and glue may be used to repair loose or attach plastic wheels. Only the Slot.it 15.8 by 8.2mm aluminum or magnesium wheels are permitted on the rear of the car. Wheel inserts are required and must be of the correct Slot.it DTM type for the car raced (see car/parts list below). All cars must start each race with all wheel inserts in place and inserts can be secured using glue. Wheels and wheel inserts may be painted.

Approved tires are:

“Quick Slicks” tire(s) #CB32 (.746”x.360”), #CB33 (.766”x.360”), #CB34 (.785”x.360”), or #CB35 (.805”x.360”). Slot.it front tires only can be used on the front and may be both glued and trued. Front and rear tires may not extend past the body at any point. No chemicals or treatments may be used on the tires. All rear tires are to be supplied by GTSLOTS on race day for the Championship event unless otherwise noted. Tires are subject to change at the Championship event and due to availability some tire sizes may not be available. Hosts for warm-up events can determine tires to be used for their events.

#### **GEARING:**

Only the Slot.it 9 or 10 tooth 5.5mm inline brass pinion gear is permitted. Only Slot.it inline crown gears listed per the approved parts list below are permitted. Driver may apply grease to the gears.

#### **GUIDE BLADES/BRAID/ELECTRICAL:**

Only Slot.it guide blades are allowed (see car/parts list below for approved types) and shimming is permitted. Any manufacture braid and lead wire may be used and must be attached to the guide/braid through the use of any manufactures eyelets or the Slot.it M2 grub screw method. (Note: the lead wires may be soldered directly to the eyelets only and may not be glued or soldered to the braid.) Wires may be held in place and supported on the chassis using tape, heat shrink tubing, and/or silicone adhesive. In addition, axle spacers (not to exceed .080” in length) and/or “earring backings” glued to the chassis may be used to assist in wire routing provided that no structural support, reinforcement, or axle support is gained; and no additional modifications are required to the chassis or body for clearance from potential created interference points.

#### **CAR SPECIFIC ALLOWED MODIFICATIONS:**

In order to foster competition and create parity between the different models of the Slot.it DTM cars, the following approved modifications are being permitted on a car by car basis (Note: all modifications should be made in a clean and professional manner and not deter from the proper “look” of the car). Any such modifications are made at the racer’s own risk:

##### **General (all cars):**

- For the sole purpose to hold the motor in place, motors may ONLY be attached in place in the motor support using any manufacture’s motor screws w/washers through the appropriate screw holes provided in the motor support and into the pre-threaded holes in the “can” end of the motor.
- On assembly, .010” to .020” thick spacers may be installed between the can end of the motor and the can end mounting tab of the pod at the motor screw locations to prevent pod distortion and to allow for proper location of the motor in the pod.
- Motors may be wrapped in clear plastic tape to assist in protecting & supporting the factory markings & wrapper where necessary, and in preventing an electrical short to the track. The area(s) of tape covering the existing opening(s) in the can may be opened to permit cooling.
- No additional required at this time.

**Alfa Romeo 155 V6TI:** none required at this time

**Opel Calibra V6:** none required at this time

**Mercedes 190E:** (Notice: due to the lack of availability in the US market, the Mercedes 190E will NOT be permitted.)

**MOTOR:**

Warm-up Events:

Motors to be provided by the race host or racers themselves (Slot.it MX15 21K motor – rated 21k rpm @12volts) using Slot.it 9 or 10 tooth 5.5mm brass inline pinion only. (Note: The can side shaft may be trimmed, however is not required as there is no interference with any part of the car. The capacitor module may also be removed.) It is suggested that the motors of the top 5 finishers be tested at the conclusion of the event to confirm legality with the results (if tested) provided to GTSLOTS along with the event race results. (NOTE: Contact GTSLOT technical contacts shown below for additional information on the testing of motors.)

Championship Event:

Motors to be provided by the racers themselves (Slot.it MX15 21K motor – rated 21k rpm @12volts) using Slot.it 9 or 10 tooth 5.5mm brass inline pinion only. (Note: The can side shaft may be trimmed, however is not required as there is no interference with any part of the car. The capacitor module may also be removed.) All motors will be tested for RPM as part of the tech inspection process with a maximum not to exceed \_\_\_\_\_ RPM. (Note: spec will be provided and adjusted accordingly as motors are tested at the event.) No chemicals (example: Voo Doo drops, etc.) shall be added to the motors.

**WEIGHT:**

Weight may be added to the inside of the chassis. NO weight may be attached to the underside of the chassis.

**LIGHTING (Optional):**

Not permitted.

**TRACK VOLTAGE:**

Suggested 12 volts (Note: track power will be set at 12 volts for the N. America finals and the GTSLOTS regional races)

**RACE PROCEDURES:** (as to be used at the N. America finals and GTSLOTS regional events):

- All participating race cars will be inspected to ensure rule compliance. A few test laps (the number to be determined by the race organizer) will be allowed prior to the final inspection.
- It is the responsibility of each participant to make sure that the front spoiler, chassis, and spur gear of their car has sufficient clearance to the track and pickup rail surface so as not to rub under race conditions and will be inspected for such clearance.
- Loose parts, wheel inserts, etc. may be attached and/or repaired using any type of available glue.
- Cars will be impounded after the inspection process and drivers cannot touch their cars unless done under “green flag” race conditions under the observation of a race official.
- Any controller is permitted, provided that the controller does not store an electrical charge.
- The race director for the event (the race organizer holding the event) will have the final determination if any questions or conflicts arise.
- Drivers and/or their authorized representatives may repair broken or damaged cars (IE: damaged braids, broken wires, loose gears and/or wheels, lose or missing screws, etc.) during “green flag” conditions, only under the view of a race official assigned by the race director, repairs must be properly performed to meet all posted rules, and parts may not be torn or broken off the car where screws are used to retain the parts (IE: the front spoiler, etc.) to perform the repair.
- For any clarification of the race procedures being used at the National Championship please contact:

Robert Holt by phone (908-397-7886) or e-mail (holtr371@yahoo.com)

Bob Kuss by phone (610-996-0595) or e-mail (lotus74s6@verizon.net)

## **SLOT.IT 2019 “DTM” Approved Cars/Parts List:**

### Slot.it Parts Lists:

#### Approved Cars:

- #CA35a – Alfa Romeo 155 V6TI #27 – DTM 1993 Nordschleife – red
- #CA35b – Alfa Romeo 155 V6TI #27 – DTM 1994 Norisring – orange
- #CA35c – Alfa Romeo 155 V6TI #14 – DTM 1994 Donington – red (pre-order)
- #CA35d – Alfa Romeo 155 V6TI #26 – DTM 1994 Nurburgring – white
- #CA35z – Alfa Romeo 155 V6TI – White Kit
- #CA35ab – Alfa Romeo 155 V6TI #8 – UKSCF 2018 Special Edition – red
- #CW22 – Alfa Romeo 155 V6TI #8 – DTM Winner 1993 – red
- #CA36a – Opel Calibra V6 #9 – DTM/ITC 1995 Hockenheimring – white/yellow
- #CA36b – Opel Calibra V6 #9 – DTM/ITC 1996 Norisring – yellow
- #CA36c – Opel Calibra V6 #2 – DTM/ITC 1995 Avus Ring – white/yellow/black
- #CA36d – Opel Calibra V6 #25 – ITC 1996 Diepholz – multi-color (pre-order)
- #CA36z – Opel Calibra V6 – White Kit
- #CA40a – Alfa Romeo 155 V6TI #8 – DTM/ITC 1995 Avus Ring – white/red/blue
- #CA40z – Alfa Romeo 155 V6TI 1995– White Kit
- #CA44a – Mercedes 190e #18 – DTM 1992 Zolder – green/gold (pre-order)
- #CA44z – Mercedes 190e – White Kit
- #CA45a – Alfa Romeo 155 V6TI #19 – ITC 1996 Silverstone – white
- #CA45z – Alfa Romeo 155 V6TI 1996 – White Kit
- #CA50a – Alfa Romeo 155 V6TI #18 – DTM 1994 Zolder – blue/yellow/red (pre-order)
- #CA50z – Alfa Romeo 155 V6TI 1994– White Kit

#### Approved Body and Body Parts Kits:

- #CS35B – Slot.it Alfa Romeo 155 V6TI Body Kit
- #CS35P – Slot.it Alfa Romeo 155 V6TI Tearproof Parts
- #CS35V – Slot.it Alfa Romeo 155 V6TI Transparent Parts
- #CS35VLX – Slot.it Alfa Romeo 155 V6TI Transparent Lexan Windscreen
- #CS35LX – Slot.it Alfa Romeo 155 V6TI Transparent Polycarbonate Cockpit
- #CS36B – Slot.it Opel Calibra V6 Body Kit
- #CS36P – Slot.it Opel Calibra V6 Tearproof Parts
- #CS36V – Slot.it Opel Calibra V6 Transparent Parts
- #CS36LX – Slot.it Opel Calibra V6 Transparent Polycarbonate Cockpit
- #CS40B – Slot.it Alfa Romeo 155 V6TI 1995 Body Kit
- #CS40P – Slot.it Alfa Romeo 155 V6TI '95 & '96 Tearproof Parts
- #CS40V – Slot.it Alfa Romeo 155 V6TI 1995 Transparent Parts
- #CS44B – Slot.it Mercedes 190e Body Kit
- #CS44P – Slot.it Mercedes 190e Tearproof Parts
- #CS44V – Slot.it Mercedes 190e Transparent Parts
- #CS45B – Slot.it Alfa Romeo 155 V6TI 1996 Body Kit
- #CS45P – Slot.it Alfa Romeo 155 V6TI 1996 Tearproof Parts
- #CS45V – Slot.it Alfa Romeo 155 V6TI 1996 Transparent Parts
- #CS50B – Slot.it Alfa Romeo 155 V6TI 1994 Body Kit
- #CS50P – Slot.it Alfa Romeo 155 V6TI 1994 Tearproof Parts
- #CS50V – Slot.it Alfa Romeo 155 V6TI 1994 Transparent Parts

Approved Chassis and Motor Pod:

- #CH110 – Slot.it Classic DTM .05mm Offset Inline Motor Pod
- #CS35T-60 – Slot.it Alfa Romeo 155 V6TI Inline Chassis
- #CS36T-60 – Slot.it Opel Calibra V6 Inline Chassis
- #CS40T-60 – Slot.it Alfa Romeo 155 V6TI 1995 Inline Chassis
- #CS44T-60 – Slot.it Mercedes 190E Inline Chassis
- #CS45T-60 – Slot.it Alfa Romeo 155 V6TI 1996 Inline Chassis
- #CS50T-60 – Slot.it Alfa Romeo 155 V6TI 1994 Inline Chassis
- #SP07 – Slot.it Front Interchangeable Axle Spacers
- #CH79 – Slot.it Chassis Common Parts

Approved Gears:

- #PI09 – Slot.it 9 tooth 5.5mm brass inline pinion
- #PI10 – Slot.it 10 tooth 5.5mm brass inline pinion
- #GI23-bz – Slot.it 23 tooth Bronze Inline Crown
- #GI23-al – Slot.it 23 tooth Aluminum Inline Crown
- #GO23-bz – Slot.it 23 tooth Bronze Offset Inline Crown
- #GO23-al – Slot.it 23 tooth Aluminum Offset Inline Crown
- #GI24-bz – Slot.it 24 tooth Bronze Inline Crown
- #GI24-al – Slot.it 24 tooth Aluminum Inline Crown
- #GO24-bz – Slot.it 24 tooth Bronze Offset Inline Crown
- #GO24-al – Slot.it 24 tooth Aluminum Offset Inline Crown
- #GI25-bz – Slot.it 25 tooth Bronze Inline Crown
- #GI25-al – Slot.it 25 tooth Aluminum Inline Crown
- #GO25-bz – Slot.it 25 tooth Bronze Offset Inline Crown
- #GO25-al – Slot.it 25 tooth Aluminum Offset Inline Crown
- #GI26-bz – Slot.it 26 tooth Bronze Inline Crown
- #GI26-al – Slot.it 26 tooth Aluminum Inline Crown
- #GO26-bz – Slot.it 26 tooth Bronze Offset Inline Crown
- #GO26-al – Slot.it 26 tooth Aluminum Offset Inline Crown
- #GI27-bz – Slot.it 27 tooth Bronze Inline Crown
- #GI27-al – Slot.it 27 tooth Aluminum Inline Crown
- #GO27-bz – Slot.it 27 tooth Bronze Offset Inline Crown
- #GO27-al – Slot.it 27 tooth Aluminum Offset Inline Crown
- #GI28-bz – Slot.it 28 tooth Bronze Inline Crown
- #GI28-al – Slot.it 28 tooth Aluminum Inline Crown
- #GO28-bz – Slot.it 28 tooth Bronze Offset Inline Crown
- #GO28-al – Slot.it 28 tooth Aluminum Offset Inline Crown
- #GI29-bz – Slot.it 29 tooth Bronze Inline Crown
- #GI29-al – Slot.it 29 tooth Aluminum Inline Crown
- #GO29-bz – Slot.it 29 tooth Bronze Offset Inline Crown
- #GO29-al – Slot.it 29 tooth Aluminum Offset Inline Crown
- #GI30-bz – Slot.it 30 tooth Bronze Inline Crown
- #GI30-al – Slot.it 30 tooth Aluminum Inline Crown
- #GO30-bz – Slot.it 30 tooth Bronze Offset Inline Crown
- #GO30-al – Slot.it 30 tooth Aluminum Offset Inline Crown

Approved Guide & Wiring Parts:

- #CH07 – Slot.it Screw universal Guide Flag (old style)
- #CH10 – Slot.it Screw Guide Flag for wooden track (old style)

- #CH26 – Slot.it Clip racing Guide Flag (old style)
- #CH66 – Slot.it Clip racing Guide Flag (standard style)
- #CH85 – Slot.it Screw racing Guide Flag (standard style)
- #SP04 – Slot.it 1.5 L4 mm Brass Eyelet Set (10 pcs.)
- #SP17 – Slot.it 1.6 L5 mm Brass Eyelet Set (10 pcs.)
- #SP18 – Slot.it Tin plated Copper Braid (1m)
- #SP19 – Slot.it Copper Braid (1m)
- #SP22b – Slot.it Stock Silicon Lead Wire (1m)

Approved Miscellaneous Parts:

- #PA01-48 – Slot.it 48mm Steel ProAxle – 2.38mm dia. (3/32”)
- #PA01-51 – Slot.it 51mm Steel ProAxle – 2.38mm dia. (3/32”)
- #PA01-51H – Slot.it 51mm Hollow Steel ProAxle – 2.38mm dia. (3/32”)
- #CH56b – Slot.it Bronze Spherical Bushings
- #MX15 – Slot.it V12/4 Classic DTM Motor – 21k RPM/150 g/cm

Approved Tires:

Front:

- #PT07 – Slot.it 10x18mm Z0 Rubber Tires
- #PT15 – Slot.it 10x16.5mm Z0 Rubber Tire
- #PT19 – Slot.it 8x14.2mm Z1 Rubber Tire
- #PT20 – Slot.it 8x16.1mm Rubber Tire
- #PT1088C1 – Slot.it 8x16.1mm C1 Rubber Tire (replacement for #PT20)
- #PT1159C1 – Slot.it 9.5x17.2mm C1 Rubber Tire (stock tire)
- #PT1214S2 – Slot.it 8.4x14.6mm S2 Silicone Tire

Rear:

- #CB32 – Quick Slicks Silicone Tires
- #CB33 – Quick Slicks Silicone Tires
- #CB34 – Quick Slicks Silicone Tires
- #CB35 – Quick Slicks Silicone Tires

Approved Wheels & Inserts:

Wheels:

- #W15808215A – Slot.it 15.8 x 8.2 x 1.5mm Aluminum wheel (ex PA24-Al)
- #W15808215AF – Slot.it 15.8 x 8.2 x 1.5mm Aluminum wheel double shoulder (ex PA24-Alf)
- #W15808215AH – Slot.it 15.8 x 8.2 x 1.5mm Aluminum wheel double shoulder (ex PA24-Alh)
- #W15808215M – Slot.it 15.8 x 8.2 x 1.5mm Magnesium wheel (ex WH1183-Mg)
- #W15808215P – Slot.it 15.8 x 8.2 x 1.5mm Plastic wheel (ex WH1210-Pl)
- #W15808225A – Slot.it 15.8 x 8.2 x 2.5mm Aluminum wheel (ex WH1050-Al)
- #W15808225M – Slot.it 15.8 x 8.2 x 2.5mm Magnesium wheel (ex PA17-Mg)
- #W15808225P – Slot.it 15.8 x 8.2 x 2.5mm Plastic wheel (ex PA17-Pl)

Wheel inserts:

- #PA71 – Plastic Inserts Speedline (for Alfa Romeo 155 V6t TI type & Mercedes 190E)
- #PA75 – Plastic Inserts OZ (for Alfa Romeo 155 V6t TI type)
- #PA77 – Plastic Inserts BBS (for Opel Calibra V6 type)
- #PA78 – Plastic Inserts DMT OZ (for Alfa Romeo 155 V6t TI type)

Other manufacture's approved parts:

Axle, Guide, & Body Spacers:

Any manufacturer's spacers and shims are permitted.

Screws & Set Screws:

Any manufacturer's screws and M2 Hex Set Screws are permitted.

Wire, braid, & eyelets:

Any manufacturer's wire, braid, and eyelets are permitted.

Note: Part #'s highlighted in pink require confirmation of availability or may be pre-order items.

Note: Part #'s highlighted in red are known to exist, however are NOT permitted.